

ABSTRACT

Diploma work: 102 p., 32 fig., 17 tabl., 2 appendixes, 7 sources.

The theme: Modeling the gross domestic product of Ukraine.

The object of study – data of the main macroeconomic indicators of Ukraine from 1996 to 2015.

Subject of research – predictive modeling techniques: regression models (including autoregression, autoregression with the moving average, multivariate regression).

Purpose – analyze the subject of research, build the models for forecasting gross domestic product of Ukraine for making administrative decisions.

The method of research – methods of regression analysis and correlation analysis.

Actuality – we need to have the results of forecasting using mathematical models for understanding how economics evolve in time.

GROSS DOMESTIC PRODUCT, REGRESSION ANALYSIS, FORECASTING, AUTOREGRESSION, MODELING, TIME SERIES ANALYSIS, PYTHON, EVIEWS.